

FIG.1A

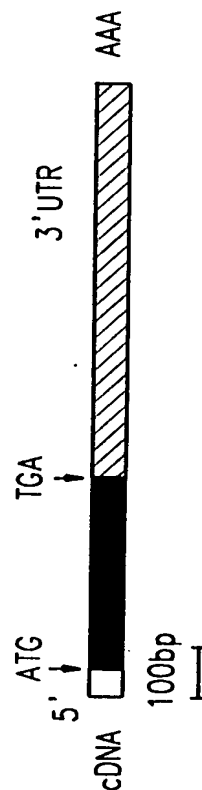


FIG.1B

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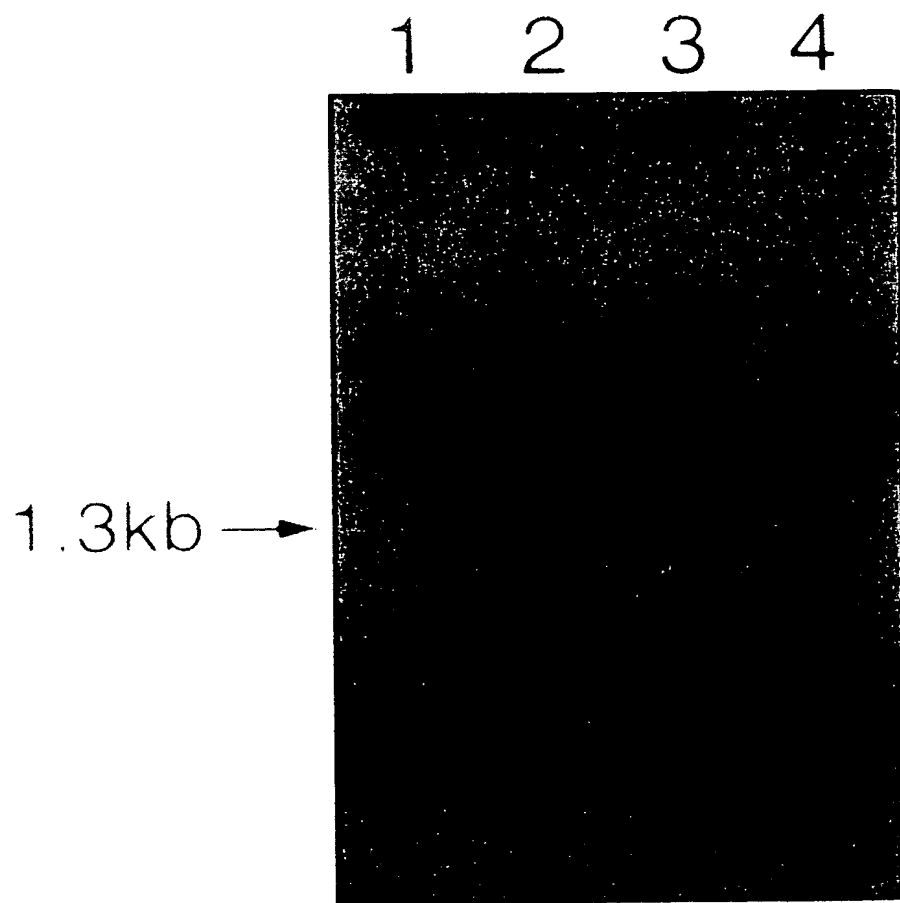


FIGURE 2

1 CTTGAGAGGCTCTGGCTCTTGCTTCTTAGGCGGCCCGAGGACGCCATGGCCGAGTGCCCG  
M A E C P  
61 ACACTCGGGGAGGCAGTCACCGACCACCCGGACCGCCTGTGGGCTGGGAGAAGTTTCGTG  
T L G E A V T D H P D R L W A W E K F V  
121 TATTTGGACGAGAAGCAGCAGCGCTGGCTGCCCTTAACCATCGAGATAAAGGATAGGTTA  
Y L D E K Q H A W L P L T I E I K D R L  
181 CAGTTACGGGTGCTCTTGGCTCGGGAAGACGTCGTCCTGGGAGGCCTATGACCCCCACC  
Q L R V L L R R E D V V L G R P M T P T  
241 CAGATAGGCCCAAGCCTGCTGCCTATCATGTGGCAGCTCTACCCTGATGGACGATACCGA  
Q I G P S L L P I M W Q L Y P D G R Y R  
301 TCCTCAGACTCCAGTTTCTGGCGCTTAGTGTACCACATCAAGATTGACGGCGTGGAGGAC  
S S D S S F W R L V Y H I K I D G V E D  
361 ATGCTTCTCGAGCTGCTGCCAGATGACTGATGTATGGTCTTGGCAGCACCTGTCTCCTTT  
M L L E L L P D D \* 114  
421 CACCCCAGGGCCTGAGCCTGGCCAGCCTACAATGGGGATGTTGTGTTTCTGTTCACCTTC  
481 GTTACTATGCCTGTGTCTTCTCCACCACGCTGGGGTCTGGGAGGAATGGACAGACAGAG  
541 GATGAGCTCTACCCAGGGCCTGCAGGACCTGCCTGTAGCCCACTCTGCTCGCCTTAGCAC  
601 TACCACTCCTGCCAAGGAGGATTCCATTTGGCAGAGCTTCTTCCAGGTGCCCAGCTATAC  
661 CTGTGCCTCGGCTTTTCTCAGCTGGATGATGGTCTTCAGCCTCTTCTGTCCCTTCTGTC  
721 CCTCACAGCACTAGTATTTTCATGTTGCACACCCACTCAGCTCCGTGAACCTGTGAGAACA  
781 CAGCCGATTACCTGAGCAGGACCTCTGAAACCCTGGACCAGTGGTCTCACATGGTGCTA  
841 CGCCTGCATGTAACACGCCTGCAAACGCTGCCTGCCGGTAAACACGCCTGCAAACGCTG  
901 CCTGCCCGTAAACACGCCTGCAAACGCTGCCTGCCACACAGGTTACAGTGACGCTCAAG  
961 GAAAGGCCTGAAAGGAGCCCTTATCTGTGCTCAGGACTCAGAAGCCTCTGGGTCAGTGGT  
1021 CCACATCCCGGACGCAGCAGGAGGCCAGGCCGGCAGCCCTGTGGATGAGCCCTCAGAA  
1081 CCCTTGGCTTGCCACGTGGAAAAGGATAGAGGTGGGTTTCCCCCTTTATAGATGGT  
1141 CACGCACCTGGGTGTTACAAAGTTGTATGTGGCATGAATACTTTTGTAAATGATTGATTA  
1201 AATGCAAGATAGTTTATCTAATTTCGTGCGCAATCAGCTTCTATCCTTGACTTAGATTCT  
1261 GGTGGAGAGAAGTGAGAATAGGCAGCCCCCAAATAAAAAATATTCATGAAAAAAAAAAAA  
1321 AAAA 1324

## FIG.3A

1 GTCGACTGTGAGTTCCAGCAGAGGCCAGAGTCCCGGTCCGGCAGCCGAGGGAAGCGGG  
61 GGGGTCTTCCAGAAGAAGAAAGGGCCAAGGTACCCCGGTGCCCTCTCCAGCAGCAGCAGA  
121 GGGCGGCGGTCCGTGTCCCTGCTGGCCGGGGCCTCGAGGAAGGCGGGCCAGCTGGGGC  
181 CGGGTCTGCGTTCACAGGAGCTGCCACCGTTCCAGGGAGCAAGTCAGGCCGGGACGTTAG  
241 CGCCTGCGCGGGACCTCACTTGCCACCAAGACCCACAAACCCCGCCCCATCCTTAGC  
301 GCCTGCGCGGGACCTCACTTGCCACCAAGACCCACAAACCCCGCCCCATCCTGCCTT  
361 ACCCCCCGCCCCAAGGTGCTTCTCCCGACCCGGGTCCCCGCCCCAAGACCGTCTCCCGC  
421 CCCGCGGCTTGGTGGCGGCGCATGCTGCCCGGATATAAAGGTGGGCCCCACATCCAG  
481 GGACCAGCGAGCGGCTTGAGAGGCTCTGGCTCTTGCTTCTTAGGCGGCCCGAGGACGCC  
541 ATGGCCGAGTGCCCGACACT 560

## FIG.3B

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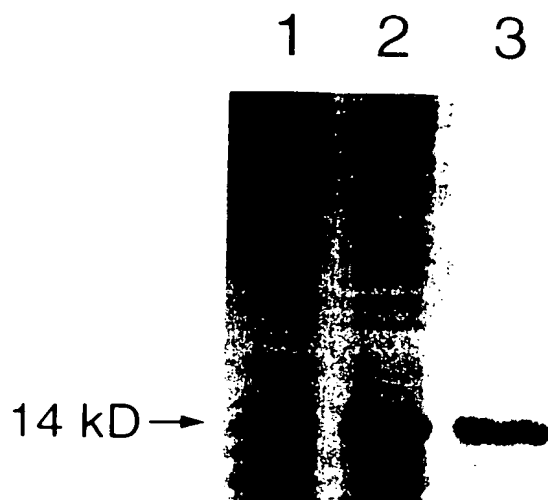


FIG.4

FIGURE 5A

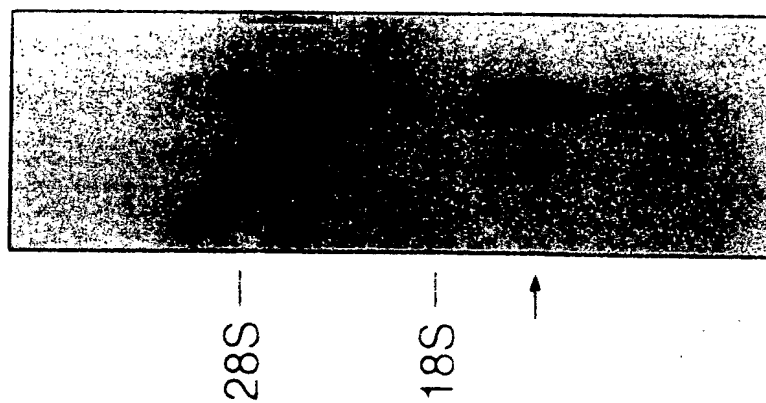


FIGURE 5B

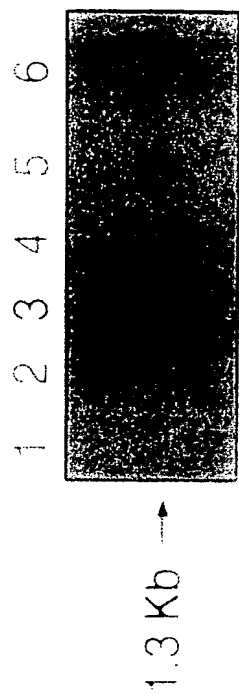
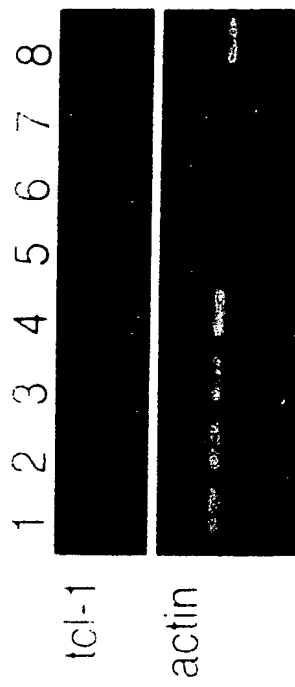


FIGURE 5C



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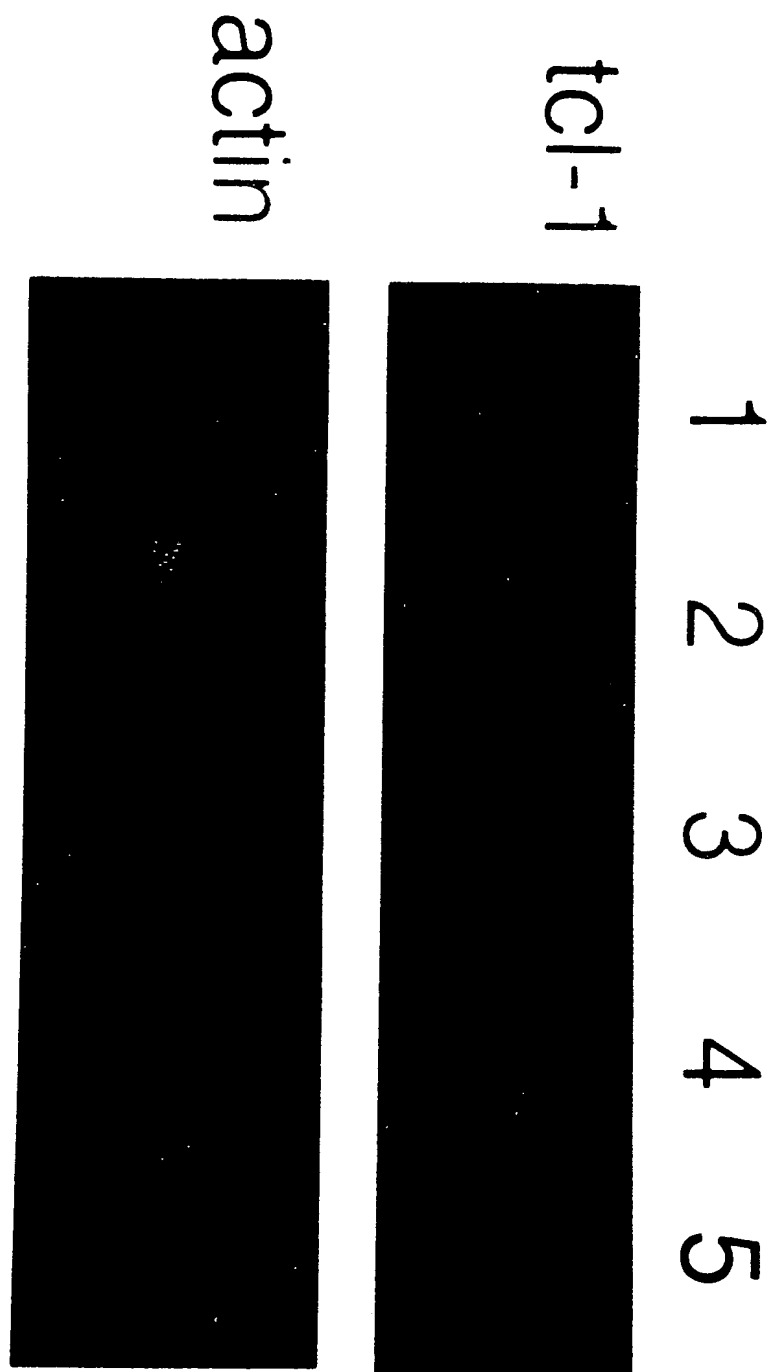


FIGURE 6

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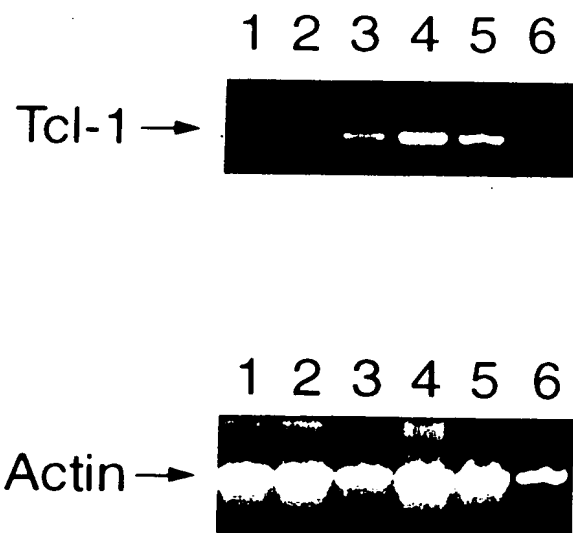


FIG.7

	10	20	30	40	50	60
TCL-1	MAE	PTL	GEAV	TDHP	DLWA	WEK
	10	20	30	40	50	60
	:	: :	: :	: :	: :	: :
MTCP1	MAGE	DVGA	PPDH	LWVH	QEGY	RDEY
	10	20	30	40	50	60
	QRTW	AVV-	VEE	TSF-	LRAR	VQIQ
	10	20	30	40	50	60
	PLGD					

	70	80	90	100	110
TCL-1	SMTPTQIGPSLLPI	MWQLYPDGRYSSD	SSFWRVLVYHIKID	GVEDMLLELLPDDX	
	:	:::	:::	:::	:::
MTCPI	AARPSHLLTSQLP	MWQLYPEERYMDNN	SLWQIQHHLMVRGV	QELLKLLPDDX	
	:	:::	:::	:::	:::

**FIG. 8**



1 GTCGACTTGT GAKTYCCMAG MAGAGGCCCA GAAGTCCCGGTCCGGCAAAG  
51 CGGAGGGGAA GCGGGGGGGG TCTTCCAAGA AGAAGAAAGGGCCCAAGGTT  
101 CAACCCCCGG TGCCTTCTCC AGCAGCAAGC AAGAGGGCGGCGGGTTCGGTT  
151 GTCGCTGCTG GCCGGGGGCC TCCGAGGAAA GGC GCGGRCCAGCTGGGGCC  
201 GGGTCTGCGT TCCCAGGAGC TGCCACCGTT CCAGGGAGCAAGTCAGGCCG  
251 GGACGTTAGC GCCTGCGCGG GACCCTCACT TGCCACCAAGRMCCCCACAA  
301 ACCCCGCCCC ATCCTGYCTT ACGCCCCGCC CCAAGGTCGGTTCTCCCCGA  
351 CCCGGGGGTC CCGCCCCCAA GGNCCGTCCT CCCC GCCCCCGCGSTTGGT  
401 GGCGGCCGCA TGCTGCCCCG ATATAAAGGG TCGGCCCCACATCCCAGGGA  
451 CCAGCGAGCG GCCTTGAGAG GCTCTGGCTC TTGCTTCTTAGGCGGCCCCGA  
501 GGACGCCATG GCCGAGTGCC CGACACTCGG GGAGGCAGTCACCGACCACC  
551 CGGACCGCCT GTGGGCCTGG GAGAAGTTCC TGTATTTGGACGAGAAGCAG  
601 MACGCCTGCC TGCCCTTAAC CATCGAGGTA CAACCACCTTTGGAGCGGAT  
651 GGCGARGCAG CAGGGGCASC CCCTGGGAGC TTGGGATNCCCTAGGAAGGG  
701 CGAGGACTCA AGGAGCACTC ACTATGGGGC AGGGAGGATCCCCCACAGAT  
751 KAAGCCACTT TTGGAGCCGG SCTCTKGAGG GATGAATAGGAGTTCCTCCA  
801 GGCAGGGAAG AAGGGTGGGA AAACCCCAA GGAATGTCGGTCAAAGGGGT  
851 GGACCCAGTG CCTGTGGAGT GTGACTATAA TGTGACTACAGCAGGCATT  
901 TTCTGGGCTT CGGGGTCCTA ATCCTTAAAA ATGGGTATCTCTAAGTGA  
951 CATCCATATG GCCGATTATC GGAATCATCT CAGGTGGGTCCCAGAAATCT  
1001 GTATTTTAA AAAGAACCCW CMACAGTTTA GGGTCCAACCCAGGCATAAC  
1051 CAAAACACTG GCCTAAGAGT TGTGAAGTAT TTTCCACCTACCCTCTGGG  
1101 CTTTATTTAA GAMAACCAA TTTAACAAGT GATGTCGTAGTATAAGCGCC  
1151 GGTANTKGAA YCAATATTGA CTTTTTTAAT GTGTGATGCCTTAAGATGGG  
1201 TCCTTAATCC ATGTTAAGNT TTTGTTAAAG AAATAGATAAGTCTTTTACA  
1251 AGTATTTGGA TTTACTCAAT GAAAAAGAGT CANAAAATGTTCAAACCTCTC  
1301 TCCAAACATA CACTGAAGAA AGCATAAAAA TTANNAAATATATTAGAACA

FIGURE 9A

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1351 CGTATGTCCA GTAGCAAWCA MAAATTATTG AGTGTTGAYTGTGTCTCTAC  
1401 AGATGGGAAA CTGAGGCACA CMAAATGTAC ATTTGTCCGAGGTAAGATTG  
1451 CTAGTAGGTA ATGGGGTTGG AATTCTAGGC TCTTAACCACCACAAAATCT  
1501 GCATTTTTTAT TGGCATTTC ATTTTTTAAA TATGTTTTTACTTTAAAAAT  
1551 CAAGTTAAAT ACTTACTTTT TAAAATCAA AATTTGAAGAAATAATTTGA  
1601 AGATTCAGTG GATTTCTTTT TTAAATCTC TGAGAAATCTCTCCCTYCA  
1651 ACGTGACACC MAAACCMGCG AACCAGACAG TTTTTCATAAAATCATGAAA  
1701 CATGCYCCMC MAAAAATAAC CCACTASCAA ACTGTGGGACAGATTTTGCC  
1751 TCACATCATT GAAAAGGCCA GCAWTCTTTT TCTCTCTTTCTTTCTTTGKT  
1801 GTTTTTTTTTT TTTCTGTAG AWACAGGGTC TCGCTCTGTGACCCAGGCTG  
1851 GTCTYAAACT CCTGGCCTCA AGCGATCCTC CTGCCTCTGCCTTCCAAAGC  
1901 ACTGGAATTA CAAGTGTGAG CCGCTGCAAC CCGCCAGAAAAAGTGTGCC  
1951 TTTCATGGCC CTGTCTGGGT GGCTAGACAC GTGTGTGTGCTGGTGGTCCT  
2001 GGCCAGCCA GAGTTCCTG AGAGGAGCAT GCATGGCCTAAGGAAGTGAG  
2051 CTTCAGGGAA CAGTGATGAC CATCATTTCA CACTCGGACCCCTGCCMAA  
2101 GATGGGTGGA TGSCTGSCAG GGAGGGATTC CGGKTTCCTGCGCCTGGAG  
2151 AANCCCTGCC AAGCGGAACC TGAAAGTATN CCCTGTCCTTTTCTTCTCCT  
2201 NAGATAAAGG ATAGGTTACA GTTNNGGGTG CTCTGCGTCGGGAAGACGT  
2251 CGTCCTGGGG AGGCCTATGA CCCCCACCNA GATAGGCCCAAGCCTGCTGC  
2301 CTATCATGTG GCAGCTCTAC CCTGATGGAC GATACCGATCCTCAGACTCC  
2351 AGTTTCTGGC GCTTAGTGTA CCACATCAAG GTGAGTGTCTTTCTCCCAGA  
2401 GGTCCATCGG KGATCTTGG GTTTCCCCTC CYCMATGTCTGSCCTTAGTG  
2451 GTTTAYCTTC CCYCCATCCC AGTSSGCAA AGCATTWAAAARATGGGGGA  
2501 NRTRWACMAS TGCAGATTTT TANAGGACTT TACCAGAGAGAAGANAGATC  
2551 CTNTGAGGTC TCTAANAGAA CCCTACCTCC ACTTCCTCCCANCCACCANC  
2601 TAACCGCAGG AAGACATCTC TGGTGGGGMM KCACAGGCTGAAGGCTGGTG  
2651 GGAGGAGGGR CAKTCTCAA GASCCCCTGA AATCCTCACACCTGGGTTC

FIGURE 9B

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2701 TACCTGCTGT TTCCAGCTAG GGAAGSCSC AGGAGTGAGGAATGGAGGGA  
2751 GTGGAGGGCT CTGGCCGATC AATGCCTTCT CTCTCTCTCTGCCTCTCAGA  
2801 TTGACGGCGT GGAGGACATG CTTCTCGAGC TGCTGCCAGATGACTGATGT  
2851 ATGGTGAGCT CCACTGGAGC CTGACCCCTC TTAGTCCACAGTGGCTGTAT  
2901 CAGAAAGAAA GACCACCCCT TCTCCATGAA GGCAGTGCTAACCCCTCCCC  
2951 GACTGCTGCC ATCTGAGGGT CCCTAGGGAT GGGAGAGGCTTCCTGGAGGC  
3001 ACTCATGTCT CCCTTACCAC TTCGGGAGCC AAGGGCTTTGGTAGGCAGCC  
3051 CCCTTTATCG CAGCTGCTCA TATCTATAAA GTACTTCACAAGTTTCAGCT  
3101 GGCACTTTCA TTTTACCATT GCTTTTTTTT TCTTTGGGAGATGAGTCTGG  
3151 CTCTGTGGCC CAGGCTAGAG TGTAGTGGGT GCAATCTCAGCTCACTGAAA  
3201 GCTCTGCCTC CCGGGTTCAC ACCATTCTCC TGCCTCAGCCCTCGGAGTAG  
3251 CTGGGACTAC AGGCGCCCGC CACCACACCT GGCTAATTTTTTTTTTTTTTW  
3301 TTWTWTTTTT TAGTAGAGMC GGGGTTCAC CGTGTTAGCCAGGATGGTCT  
3351 CGATCTCCTG ACCTCATGAT CTGCCCCCT CGGCCTCCCAAAGTGCTGGG  
3401 ATTACAGGCA TGAGCCACCA CGTCCGGCCT TACCATTGCTTTATTAAATA  
3451 AGCACTGGTG CTTGATTATA TCAGCTGAGC CAGATATTAGATACGCTATT  
3501 GAGTTTTGRG GAAATAAGAG TACCAAACT CAGAAATGAGTTGAAGTATA  
3551 GTGACATCTT CAGATTACAG ACCCAGGTGT CAGAATTTGCCTTGGCTCAG  
3601 AAGGCCTCTG GGGGCCATCC CTGACCACTA GGCTTCCCACTTAGACCTGC  
3651 TCCAGCAGCA CCACCCCTCG SCACTGCCTG GTCCTTTCCTTCACCCTTGA  
3701 TTCTGTCTTC TTTTGTCTT CTCCAGGTCT TGGYAGCACCTGTCTCCTTT  
3751 CACCCCAGGG CCTGAGCCTG GCCAGCCTAC AATGGGGATGTTGTGTTTCT  
3801 GTTCACCTTC GTTTACTATG BCTGTGTCTT CTCCACCACGCTGGGGTCTG  
3851 GGAGGAATGG ACAGACAGAG GATGAGCTCT ACCCRGGGCCTGSAGGACCT  
3901 GTCCTGTAGM CCACTCTGCT CGCCTTAGSA CCTACSACTCCWRCCGASGA  
3951 GGATNCCANT TGGAAGAGCT TCTTNNAGGT GNCNAANAANANCTGTGCGT  
4001 NGGCTTTTCT CAGCTGGATG ATGGTCNTNA GCCTCTTTCTGTCCCTTCTG

FIGURE 9C

4051 TCCCTCACAG CACTAGTATT TNATGTTGCA CACCCACTCAGCTCCGTGAA  
4101 TTTGTGAGAA CACAACCGAT TCACCTGAGC AGGACCTCTGAAACCCTGGA  
4151 CCAGTGGTCT CACATGGTGC TACGCCTGCA TGTAAACACGCCTNCAAACG  
4201 CTGCCTGCCK GTRAACACGM SKSYRMACAG STGMSWRCCCGTAAACACGC  
4251 CTGCAAACGC TGCCTGCCCA CACAGGTTCA CGTGCAGCTCAAGGAAAGRM  
4301 CTGAAARRAG CCCTTATCTG TGCTCAGGAC TCAGAAGCCTCTGGGTCACT  
4351 GGTCCACATC CCGGGACGCA GNAGGAGGCC AGGCCGGCGAGCCCTGTGGA  
4401 TGAGCCCTCA GAACCCTTGG GTTGCCACG TGGAAAAGGGATAGAGGTTG  
4451 GGTTCCTCCC CTTTTATAGA TGGTCACGCA CCTGGGTGTTACAAAGTTGT  
4501 ATGTGGCATG AATACTTGNT GTNATGATTG ATTAAATGCAAGATAGTTTA  
4551 TCTAACTTCG TCGGGAATCA GCTTCTATCC TTGNCTTAGATTCTGGTGGA  
4601 GAGAAGTGAN AATAGGCAGN CCCCANATAA ANAATATTCANGGGATTAT  
4651 TTTATTNTTC CTTTTGGGNG ATNNGGACT ACATTNTNCNNCCCCGTNTA  
4701 ATCCAATGNT TAAANCCCCA GTGTTCTTGG AGGNCNTACGTCGAANACCA  
4751 TTGGNGTANG CAACCTCAAA ATTTTTNNGT TGNNAATTNCCNGTTTTCCA  
4801 GAGNCCCCC CNTNCTCCAT CTTNNTCCTN GCCCNCCCTNNCCTCCCNCA  
4851 NTCCCNANGT TNCCCTCGNC CCCAGTCAGT TCTTTCTCCNNCTTTANCCG  
4901 NTNATNTCAC CAGNTTCTTT CT

FIGURE 9D

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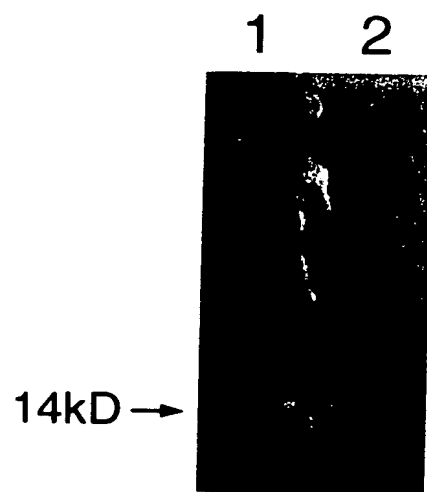


FIG.10

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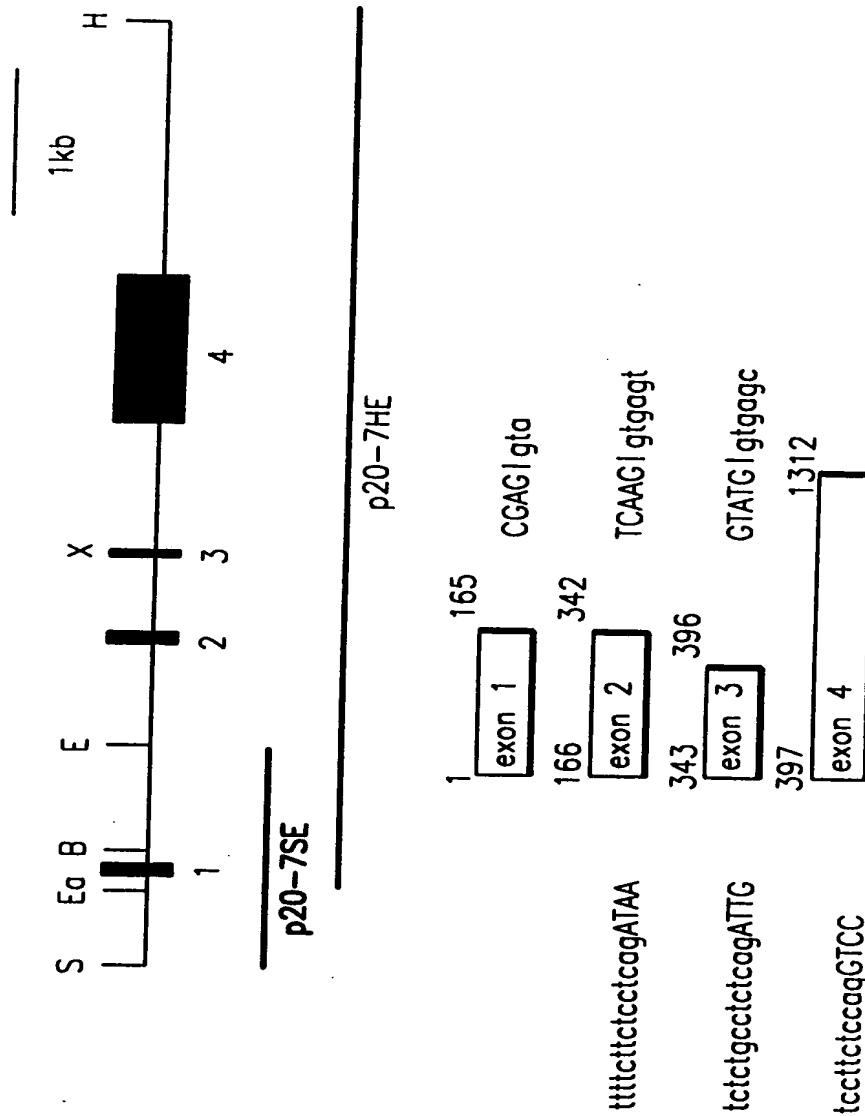


FIG.11